

PowerTalk Built-in Templates

This appendix describes some of the details of the AOCE templates that are built into PowerTalk. You can use this information to gain access to the information in these templates or to provide additional templates that work with and extend the built-in templates. AOCE templates are described in the chapter “AOCE Templates” in this book.

User Records

User records have a record type of aoce User (kUserRecTypeBody).

There are several standard attribute types in a User record. You can add new attribute types to User records, but each new attribute type must have a unique name. To ensure the uniqueness of the attribute type, start it with a four-character application signature registered with Apple Developer Services.

Attribute type aoce mailslots (kMailSlotsAttrTypeBody) contains the list of addresses for the user. The preferred address is duplicated in attribute type aoce pref mailslot (kPrefMailAttrTypeBody).

Attribute type aoce PersonInfo contains the text information found on the first User record information page (the Business Card page). The following lookup table describes the format of the information:

```
resource 'dett' (kUserInfoPageAspect + kDETAAspectLookup, purgeable)
{
  {
    {"aoce PersonInfo"}, typeBinary,
    useForInput, useForOutput, notInSublist, isNotAlias, isNotRecordRef,
    { 'rstr', kName, 0,
      'rstr', kTitle, 0,
      'rstr', kCompanyName, 0,
      'rstr', kCompanyAddr, 0,
      'rstr', kMisc, 0 };
  };
};
```

Attribute type aoce Picture contains the picture found on the first User record information page.

```
resource 'dett' (kUserInfoPageAspect + kDETAAspectLookup, purgeable)
{
  {
    {"aoce Picture"}, typeBinary,
```

PowerTalk Built-in Templates

```
useForInput, useForOutput, notInSublist, isNotAlias, isNotRecordRef,
{ 'rest', kPicture, 0 };
}};
```

Attribute type `aoce Personal` contains the information found on the second User record information page (the Personal Info page).

```
resource 'dett' (kUserInfoPageAspect + kDETAAspectLookup, purgeable){{
  {"aoce Personal"}, typeBinary,
  useForInput, useForOutput, notInSublist, isNotAlias, isNotRecordRef,
  { 'rstr', kPersonal1, 0,
    'rstr', kPersonal2 , 0,
    'rstr', kPersonal3 , 0 };
}};
```

Attribute type `aoce PhoneNumber` contains one value per phone number in the third User record information page (the Phone Numbers page). The tag of each value tells the type of phone number: `'work'` for work, `'home'` for home, `'mobi'` for mobile, and `'othr'` for other. You can add new tags, but you must be careful to avoid duplicate use of the same tag. The attribute values have the following format (using `'work'` as an example—the other types vary only in the tag, not in the internal format):

```
resource 'dett' (kWorkPhoneAspect + kDETAAspectLookup, purgeable) {
  {
    {"aoce PhoneNumber"}, 'work',
    useForInput, useForOutput, notInSublist, isNotAlias, isNotRecordRef,
    {
      'rstr', kDETAAspectName, 0;
      'rstr', kPhoneNumber, 0;
      'rstr', kPhoneInfo, 0
    };
  }
};
```

Attributes of type `aoce mailslots` are used both in User records and in stand-alone attributes and are described in “Addresses” on page A-4.

The User record information pages are 350 pixels wide by 180 pixels high. The page selection pop-up menu is fixed at location (6, 180, 24, 339) (top, left, bottom, right). If you add your own information page to a User record, it is recommended that you include a page-identifying small icon at location (6, 156, 22, 172).

The picture on the first information page is 100 pixels wide and 100 pixels high.

PowerTalk Built-in Templates

The sort-order number of the information pages for the User record is: 1000 for the first (Business Card) page, 2000 for the second (Personal Info) page, 3000 for the third (Phone Numbers) page, and 20000 for the fourth (Electronic Addresses) page. The Electronic Addresses page has a much higher sort-order number than the others because it is intended always to come last, even if developers add additional information pages between it and the other ones.

The names of the built-in templates for User records are listed in Table A-1.

Table A-1 Names of AOCE templates for User records

| Template name | Template type | Function |
|------------------------------|------------------|--|
| aoce User main aspect | Aspect | User record main aspect |
| aoce User Info-page Aspect | Aspect | Properties for first two pages |
| aoce User Info-page | Information page | First (Business Card) page |
| aoce User Persoanl Info-page | Information page | Second (Personal Info) page |
| aoce User Phone Aspect | Aspect | Properties for third page |
| aoce User Phone Info Page | Information page | Third (Phone Numbers) page |
| aoce Work Phone Aspect | Aspect | Aspect for work phone |
| aoce Work Phone Info-page | Information page | Information page for work phone |
| aoce Home Phone Aspect | Aspect | Aspect for home phone |
| aoce Home Phone Info-page | Information page | Information page for home phone |
| aoce Mobile Phone Aspect | Aspect | Aspect for mobile phone |
| aoce Mobile Phone Info-page | Info-page | Information page for mobile phone |
| aoce Other Phone Aspect | Aspect | Aspect for other phone |
| aoce Other Phone Info-page | Info-Information | Information page for other phone |
| Mail Info Page Aspect | Aspect | Properties for last page |
| Mail Info Page | Information page | Last (Electronic Addresses) page |
| Drop Send Aspect User | Aspect | Drop-send (forwarded to by groups and addresses as well) |

NOTE The spelling “Persoanl” in the name of the second information page of a User record is correct as shown.

Group Records

Group records have a record type of `aoce Group` (`kGroupRecTypeBody`).

The only standard attribute type in a Group record is `aoce Member` (`kMemberAttrTypeBody`).

The Group record information pages are 277 pixels wide by 303 pixels high. The page-selection pop-up menu is fixed at location (7, 35, 26, 201) (top, left, bottom, right). If you add your own information page to a Group record, it is recommended that you include a page-identifying small icon at location (7, 11, 23, 27).

Addresses

Within User records and stand-alone attributes, electronic addresses are stored in attribute values of type `aoce mailslots` (`kMailSlotsAttrTypeBody`). The tag is the internal subtype of the address ('`entn`' for PowerShare, '`alan`' for AppleTalk, and so forth).

The '`dett`' pattern for an address must end with a pattern element of type '`Pref`'. This custom element type lets the Electronic Addresses information page set the preferred address radio buttons correctly.

The standard address information page is 259 pixels wide by 200 pixels high. It has a page-selection pop-up menu at location (8, 56, 30, 206) (top, left, bottom, right). It has a page-identifying large icon at (8, 8, 40, 40). Within the page are two radio buttons labeled "View as:", one for Fields and one for String. The "View as:" string is at location (49, 56, 63, 106). The Fields radio button is at location (48, 111, 64, 154). The String radio button is at location (48, 164, 64, 209). Between the view-as selector and the data is a dotted line, at location (72, 8, 73, 251).

Addresses with all types of tags are forwarded to the drop-send aspect by a built-in forwarder, so your address template does not need to handle drops.

Other Built-in Templates

There are several other templates built into PowerTalk. These include the template for the Find-in-Catalog feature, the Key Chain templates, and address templates for AppleTalk and PowerShare addresses. These other templates are subject to change without notice; for this reason, you should not modify, replace, or otherwise depend on them.